A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F01N3/00 F01N1/00 F01N1/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 F01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 430 921 B1 (STUART JOHN W ET AL) 13 August 2002 (2002-08-13) column 3, line 55 - column 6, line 13 figures 1-4	1-3,5,6
X .	US 4 610 700 A (MILLER ET AL) 9 September 1986 (1986-09-09) column 1, line 5 - column 2, line 14 figures 1-3	1,5
X	DE 36 14 213 A1 (WERDNIK,IVO,DIPLING) 29 October 1987 (1987-10-29) the whole document	1-3,5
A	GB 2 148 390 A (GUY * VIELLARD) 30 May 1985 (1985-05-30) the whole document	1

X Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filling date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the International filling date but later than the priority date claimed	 *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family
Date of the actual completion of the international search 14 February 2005	Date of mailing of the international search report 25/02/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijsvijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Louchet, N

INTERNATIONAL SEARCH REPORT

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